

GenCore version 5.1.3  
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OM nucleic - nucleic search, using sw model

Run on: March 29, 2003, 21:28:42 ; Search time 37.8301 Seconds  
(without alignments)  
6347.535 Million cell updates/sec

Title: US-09-988-971-1\_COPY\_415\_1197

Perfect score: 783  
Sequence: 1 atcggaagctctgcccagcag.....ctgtctcttgatgatgcc 783

Scoring table:  
IDENTITY NUC  
Gapop 10\_0 , Gapext 1\_0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :  
1: /cgnt\_6/ptodata/1/ina/5A.COMB.seq.\*  
2: /cgnt\_6/ptodata/1/ina/5B.COMB.seq.\*  
3: /cgnt\_6/ptodata/1/ina/5A.COMB.seq.\*  
4: /cgnt\_6/ptodata/1/ina/5B.COMB.seq.\*  
5: /cgnt\_6/ptodata/1/ina/PTCTS.COMB.seq.\*  
6: /cgnt\_6/ptodata/1/ina/backflist.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	* Match	Length	DB	ID	Description
1	101	12.9	675	1	US-08-707-793A-3	Sequence 3, Appl
2	101	12.9	675	1	US-08-707-792A-3	Sequence 3, Appl
3	92.4	11.8	1611	1	US-07-820-011A-3	Sequence 3, Appl
4	92.4	11.8	1611	5	PCT-US93-00445-3	Sequence 3, Appl
5	91	11.6	2647	5	PCT-US93-06251-77	Sequence 77, Appl
6	80.4	10.3	1602	1	US-07-820-011A-1	Sequence 1, Appl
7	80.4	10.3	1602	5	PCT-US93-00445-1	Sequence 1, Appl
8	71	9.1	1491	2	US-09-006-675-1	Sequence 1, Appl
9	71	9.1	1491	4	US-09-228-603A-1	Sequence 1, Appl
10	68.4	8.7	282	2	US-09-006-675-5	Sequence 5, Appl
11	68.4	8.7	282	4	US-09-228-603A-5	Sequence 5, Appl
12	60.4	7.7	4517	5	PCT-US93-06251-83	Sequence 83, Appl
13	55.8	7.1	1548	4	US-09-099-053-1	Sequence 1, Appl
14	48	6.1	144	5	PCT-US93-06251-13	Sequence 13, Appl
15	46	5.9	190	5	PCT-US93-06251-14	Sequence 14, Appl
16	43.2	5.5	498	6	5219739-21	Patent No. 5219739
17	42.8	5.5	164	1	US-08-306-691B-28	Sequence 28, Appl
18	42.8	5.5	164	5	PCT-US93-06251-70	Sequence 70, Appl
19	41.6	5.3	197	5	PCT-US95-10973A-18	Sequence 18, Appl
20	41.6	5.3	444	4	US-09-392-932-6	Sequence 6, Appl
21	41.6	5.3	456	5	PCT-US95-10973A-88	Sequence 88, Appl
22	41.6	5.3	467	5	PCT-US95-10973A-86	Sequence 86, Appl
23	41.6	5.3	473	3	US-08-718-904-1	Sequence 1, Appl
24	41.6	5.3	473	3	PCT-US95-10973A-25	Sequence 25, Appl
25	41.6	5.3	498	6	5194596-20	Patent No. 5194596
26	41.6	5.3	516	3	US-08-784-551C-1	Sequence 1, Appl
27	41.6	5.3	516	4	US-09-392-932-7	Sequence 7, Appl

28	41.6	5.3	576	4	US-09-392-932-8	Sequence 8, Appl
29	41.6	5.3	599	5	PCT-US95-10973A-87	Sequence 87, Appl
30	41.6	5.3	599	5	PCT-US95-10973A-89	Sequence 89, Appl
31	41.6	5.3	605	3	US-08-718-904-2	Sequence 2, Appl
32	41.6	5.3	605	5	PCT-US95-10973A-26	Sequence 26, Appl
33	41.6	5.3	642	4	US-09-392-932-9	Sequence 9, Appl
34	41.6	5.3	648	3	US-08-586-0398-48	Sequence 48, Appl
35	41.6	5.3	677	3	US-08-718-904-3	Sequence 3, Appl
36	41.6	5.3	677	5	PCT-US95-10973A-27	Sequence 27, Appl
37	41.6	5.3	699	4	US-09-392-932-10	Sequence 10, Appl
38	41.6	5.3	728	3	US-08-718-904-4	Sequence 4, Appl
39	41.6	5.3	728	5	PCT-US95-10973A-28	Sequence 28, Appl
40	41.6	5.3	774	3	US-08-765-340-1	Sequence 1, Appl
41	41.6	5.3	989	6	5332671-11	Patent No. 5332671
42	41.6	5.3	990	3	US-08-567-200A-1	Sequence 1, Appl
43	41.6	5.3	990	3	US-08-691-794-1	Sequence 1, Appl
44	41.6	5.3	990	4	US-08-882-816-1	Sequence 1, Appl
45	41.6	5.3	1167	5	PCT-US95-10973A-57	Sequence 57, Appl

## ALIGNMENTS

RESULT 1  
US-08-707-793A-3  
Sequence 3, Application US/08707793A  
Patent No. 576696  
GENERAL INFORMATION:  
APPLICANT: SALOWE, SCOTT P.  
TITLE OF INVENTION: A HIGH THROUGHPUT ASSAY USING  
TITLE OF INVENTION: FUSION PROTEINS  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Metc & Co., Inc.  
STREET: P.O. Box 2000, 126 E. Lincoln Ave.  
CITY: Rahway  
STATE: NJ  
COUNTRY: USA  
ZIP: 07065-0900  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08707, 793A  
FILING DATE: 04-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION NUMBER:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Camara, Valerie J  
REGISTRATION NUMBER: 35,090  
REFERENCE/DOCKET NUMBER: 19494  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 908-594-3902  
TELEFAX: 908-594-4720  
TELEX:  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 675 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: Genomic DNA  
US-08-707-793A-3

Query Match 12.9%; Score 101; DB 1; Length 675;  
Best Local Similarity 59.0%; Pred. No. 4.7e-19;  
Matches 173; Conservative 0; Mismatches 120; Indels 0; Gaps 0;  
QY 280 TGGCTGTATGAGCGCTGAGCAGGAGCAAGCAGAGAACTGCTGTGTACTCTGGAC 339

US-08-707-792A-3  
; Sequence 3, Application US/08707792A  
Date Filed: 07/03/2008

```

1      PATENT NO. 5783398
2      GENERAL INFORMATION:
3      APPLICANT: MARCY, ALICE
4      APPLICANT: MARCY, SCOTT P.
5      APPLICANT: WISNIEWSKI, DOUGLAS
6      TITLE OF INVENTION: A HIGH THROUGHPUT ASSAY USING
7      TITLE OF INVENTION: FUSION PROTEINS
8      NUMBER OF SEQUENCES: 17
9      CORRESPONDENCE ADDRESS:
10     ADDRESSEE: Merck & Co., Inc.
11     STREET: P.O. Box 2000, 126 E. Lincoln Ave.
12     CITY: Rahway
13     STATE: NJ
14     COUNTRY: USA
15     ZIP: 07065-0900
16     COMPUTER READABLE FORM:
17     MEDIUM TYPE: Diskette
18     COMPUTER: IBM Compatible
19     OPERATING SYSTEM: DOS
20     SOFTWARE: FastSeq for Windows Version 2.0
21     CURRENT APPLICATION DATA:
22     APPLICATION NUMBER: US/08/707,792A
23     FILING DATE: 04-SEP-1996
24     CLASSIFICATION: 435
25     PRIOR APPLICATION DATA:
26     APPLICATION NUMBER:
27     FILING DATE:
28     ATTORNEY/AGENT INFORMATION:
29     NAME: Camara, Valerie J
30     REGISTRATION NUMBER: 35,090
31     REFERENCE/DOCKET NUMBER: 19524
32     TELECOMMUNICATION INFORMATION:
33     TELEPHONE: 908-594-3902
34     TELEFAX: 908-594-4720
35     TELEX:
36     INFORMATION FOR SEQ ID NO: 3:
37     SEQUENCE CHARACTERISTICS:
38     LENGTH: 675 base pairs
39     TYPE: nucleic acid
40     STRANDEDNESS: single
41     TOPOLOGY: linear
42     MOLECULE TYPE: Genomic DNA
43     US-08-707-792A-3

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Query Match	12.9%	Score 101;	DB 1;	Length 675;
Best Local Similarity	59.0%	Pred. No. 4.7e-19;		
Matches 173; Conservative	0;	Mismatches 120;	Indels 0;	Gaps 0;

280 TGGCTATGAGGCGCTGAGCAGGAGAAAGCAGAGAACTGCTTTGTTA CTTGGGAC 339

Db	373	TGGTTCTTCAAGAAACCTGAGCCGCAAGACGGCGAGCCGCAAGCTCTGGGCGGCCCGGAAAC	432
Qy	340	CTTGAGAGGGGCTTCTCTCATCCGGGAAGCAGACACAGAAAGGCTCTTACTCTGTGCA	399
Db	433	ACTCAGGCTCTTCTCTCATCCGGGAAGGAGAGACCGGGGAGTCGTTTTCACCTGTGCG	492
Qy	400	GTCGCGCTCAGACCGCCCTGCATCTCTGGACCGGATCAGACACTACAGATCAGCTGCCTT	459
Db	493	GTCGCGGACTTTGCACAGAACGAGGAGAGGTGTGAAACATTACAAAGATCGTAACTCG	552
Qy	460	GACAAATGGCTGGCTGTACATCTCACCGCGCTTACCTTCCCTTACTCCAGGCGCTGGTG	519
Db	553	GACAAACGGTGGCTTTCACATCTCCCTCCGAAATCATTCTTCCCGCGCTGCATGAATCGTATC	612
Qy	520	GACCAATTACTGTAGCTGGCGGATGACATCTGTGGCTACTACAGAGACCGCTG	572
Db	613	CGCCATTACACAAATCTTCAAGATGGGCTGTGCACACGGTGAAGCCGCCCTGTG	665

US-07-820-011A-3  
; Sequence 3, Application US/07820011A

Patent No. 5536615

GENERAL INFORMATION:

APPLICANT: Bell, Leonard

APPLICANT: Madril, Joseph A.

APPLICANT: Warren, Stephen L.

APPLICANT: Lubringer, Daniel J.

TITLE OF INVENTION: Genetically Engineered

TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced

TITLE OF INVENTION: Migration

TITLE OF INVENTION: and Plasminogen Activator Activity

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Maurice M. Klee

STREET: 1951 Burr Street

CITY: Fairfield

STATE: Connecticut

COUNTRY: USA

ZIP: 06430

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb storage

COMPUTER: IBM PC XT

OPERATING SYSTEM: PC-DOS/MS-DOS 2.10

SOFTWARE: Displaywrite 3

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/820,011A

FILING DATE: 19920106

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Klee, Maurice M.

REGISTRATION NUMBER: 30,399

REFERENCE/DOCKET NUMBER: LS-101

TELECOMMUNICATION INFORMATION:

TELEPHONE: (203) 255 1400

TELEFAX: (203) 254 1101

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 1611

TYPE: NUCLEIC ACID

STRANDEDNESS: Double

TOPOLOGY: Linear

MOLECULE TYPE: cDNA to mRNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapien

POSITION IN GENOME:

CHROMOSOME/SEGMENT: Chromosome 20

PUBLICATION INFORMATION:

AUTHORS: Anderson, Stephen K.

AUTHORS: Gibbs, Carol P.

AUTHORS: Tanaka, Akiro

```

RESULT 4
PCT-US93-00445-3
Sequence 3, Application PC/US9300445
GENERAL INFORMATION:
APPLICANT: Bell, Leonard
APPLICANT: Madril, Joseph A.
APPLICANT: Warren, Stephen L.
APPLICANT: Luthringer, Daniel J.
TITLE OF INVENTION: Genetically Engineered

```

TITLE OF INVENTION: Endothelial Cells  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Maurice M. Klee  
 STREET: 1951 Burr Street  
 CITY: Fairfield  
 STATE: Connecticut  
 COUNTRY: USA  
 ZIP: 06430  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3 1/2 inch, 760 Kb storage  
 COMPUTER: DELL 486/50  
 OPERATING SYSTEM: DOS 5.0  
 SOFTWARE: Displaywrite 3  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US93/00445  
 FILING DATE: 19930105  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 97/820,011  
 FILING DATE: 06-JAN-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Klee, Maurice M.  
 REGISTRATION NUMBER: 30,399  
 REFERENCE/DOCKET NUMBER: ALX-101PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (203) 255 1400  
 TELEFAX: (203) 254 1101  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1611  
 TYPE: NUCLEIC ACID  
 STRANDEDNESS: Double  
 TOPOLOGY: Linear  
 MOLECULE TYPE: cDNA to mRNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapien  
 POSITION IN GENOME:  
 CHROMOSOME/SEGMENT: Chromosome 20  
 PUBLICATION INFORMATION:  
 AUTHORS: Anderson, Stephen K.  
 AUTHORS: Gibbs, Carol P.  
 AUTHORS: Tanaka, Akio  
 AUTHORS: Kung, Hsing-jien  
 AUTHORS: Fujita, Donald J.  
 TITLE: Human Cellular src Gene:  
 TITLE: Nucleotide Sequence and Derived Amino  
 TITLE: Acid Sequence of the Region Coding for  
 TITLE: the Carboxy-Terminal Two-Thirds of  
 TITLE: pbs0c-src  
 JOURNAL: Molecular and Cellular Biology  
 VOLUME: 5  
 ISSUE: 5  
 PAGES: 1122-1129  
 DATE: May, 1985  
 PUBLICATION INFORMATION:  
 AUTHORS: Tanaka, Akio  
 AUTHORS: Gibbs, Carol P.  
 AUTHORS: Anderson, Stephen K.  
 AUTHORS: Arthur, Richard R.  
 AUTHORS: Kung, Hsing-jien  
 AUTHORS: Fujita, Donald J.  
 TITLE: DNA Sequence Encoding the  
 TITLE: Amino-Terminal Region of the Human c-src  
 TITLE: Protein: Implications of Sequence  
 TITLE: Divergence among src-Type Kinase  
 TITLE: Oncogenes  
 JOURNAL: Molecular and Cellular Biology  
 VOLUME: 7  
 ISSUE: 5  
 PAGES: 1978-1983



HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Gallus, gallus  
PUBLICATION INFORMATION:  
AUTHORS: Takeya, Tatsuo  
TITLE: Structure and Sequence of the  
TITLE: Cellular Gene Homologous to the RSV src  
TITLE: Gene and the Mechanism for Generating the  
JOURNAL: Cell  
VOLUME: 32  
PAGES: 881-890  
DATE: March, 1983  
US-07-820-011A-1

Query Match 10.3%; Score 80.4; DB 1; Length 1602;  
Best Local Similarity 54.4%; Pred. No. 3.5e-13;  
Matches 162; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

QY 275 ATGGTGGCTGTATGAGGCGCTGACGAGGAGAAAGCAGAGAACTGCTGTGTTACTCTG 334  
DB 437 AAGAGTGTACTTGTGGAGATCACTGTCGGAGTCCGAGGCGCTGCTCAACCCCG 496  
QY 335 GGAACCTGGAGGCGCTTCTCATTCGGGAGCCAGACGAGAGAGGCTTCTACTCTC 394  
DB 497 AAAACCCCGGGAGACCTTCTTGGTCGGAGAGCAGACGACAAAGGTGCTTATGCC 556  
QY 395 TGTCACTCCGCTCAGCCGCTGATCTGGGACCGGATGACACTACAGATCCACT 454  
DB 557 TCTCCGTTTCTGACTTGTGACACGCAAGGGGCTCATGTGACACTACAGATCCGCA 616  
QY 455 GCCTTGACATGCTGCTGATCTCACCAGGCTCACTCCCTCCCTCACTCCAGGCC 514  
DB 617 AGCTGACACGCGCGCTTCTTACATCACTCAGACACACAGATTCAGAGCTTGACAGC 676  
QY 515 TGTGACCATTACTCTGAGCTGGGAGATGACATCTGCTGCTTCACTCAAGAGCCCTG 572  
DB 677 TGTGAGCTTACTTCAACATGCTGATGCTTGTGACACCGCTGACCAAGCTCTG 734

## RESULT 7

PCT-US93-00445-1  
Sequence 1, Application PC/TUS9300445  
GENERAL INFORMATION:  
APPLICANT: Bell, Leonard  
APPLICANT: Madrid, Joseph A.  
APPLICANT: Warren, Stephen L.  
APPLICANT: Luthringer, Daniel J.  
TITLE OF INVENTION: Genetically Engineered  
TITLE OF INVENTION: Endothelial Cells  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Maurice M. Klee  
STREET: 1951 Burr Street  
CITY: Fairfield  
STATE: Connecticut  
COUNTRY: USA  
ZIP: 06430  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 760 kb storage  
COMPUTER: DELL 486/50  
OPERATING SYSTEM: DOS 5.0  
SOFTWARE: Displaywrite 3  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/00445  
FILING DATE: 19930105  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/820,011  
FILING DATE: 06-JAN-1992  
ATTORNEY/AGENT INFORMATION:

NAME: Klee, Maurice M.  
REGISTRATION NUMBER: 30,399  
REFERENCE/DOCKET NUMBER: ALX-101PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (203) 255 1400  
TELEFAX: (203) 254 1101  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1602 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: Double  
TOPOLOGY: Linear  
MOLECULE TYPE: cDNA to mRNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Gallus, gallus  
PUBLICATION INFORMATION:  
AUTHORS: Takeya, Tatsuo  
TITLE: Structure and Sequence of the  
TITLE: Cellular Gene Homologous to the RSV src  
TITLE: Gene and the Mechanism for Generating the  
JOURNAL: Cell  
VOLUME: 32  
PAGES: 881-890  
DATE: March, 1983  
PCT-US93-00445-1

Query Match 10.3%; Score 80.4; DB 5; Length 1602;  
Best Local Similarity 54.4%; Pred. No. 3.5e-13;  
Matches 162; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

QY 275 ATGGTGGCTGTATGAGGCGCTGACGAGGAGAAAGCAGAGAACTGCTGTGTTACTCTG 334  
DB 437 AAGAGTGTACTTGTGGAGATCACTGTCGGAGTCCGAGGCGCTGCTCAACCCCG 496  
QY 335 GGAACCTGGAGGCGCTTCTCATTCGGGAGCCAGACGAGAGAGGCTTCTACTCTC 394  
DB 497 AAAACCCCGGGAGACCTTCTTGGTCGGAGAGCAGACGACAAAGGTGCTTATGCC 556  
QY 395 TGTCACTCCGCTCAGCCGCTGATCTGGGACCGGATGACACTACAGATCCACT 454  
DB 557 TCTCCGTTTCTGACTTGTGACACGCAAGGGGCTCATGTGACACTACAGATCCGCA 616  
QY 455 GCCTTGACATGCTGCTGATCTCACCAGGCTCACTCCCTCCCTCACTCCAGGCC 514  
DB 617 AGCTGACACGCGCGCTTCTTACATCACTCAGACACACAGATTCAGAGCTTGACAGC 676  
QY 515 TGTGACCATTACTCTGAGCTGGGAGATGACATCTGCTGCTTCACTCAAGAGCCCTG 572  
DB 677 TGTGAGCTTACTTCAACATGCTGATGCTTGTGACACCGCTGACCAAGCTCTG 734

## RESULT 8

US-09-006-675-1  
Sequence 1, Application US/09006675  
Patent No. 5952213  
GENERAL INFORMATION:  
APPLICANT: Hemmati-Briantou, Ali  
APPLICANT: Weinstein, Daniel C.  
TITLE OF INVENTION: A NOVEL SRC-FAMILY KINASE AND METHODS OF  
TITLE OF INVENTION: USE THEREOF  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Klauder & Jackson  
STREET: 411 Hackensack Avenue, 4th Floor  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/006,675  
FILING DATE: 13-JAN-1998  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-217  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1684  
TELEX: 133521  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1491 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..1491  
US-09-006-675-1

Query Match 9.1%; Score 71; DB 2; Length 1491;  
Best Local Similarity 56.6%; Pred. No. 1.4e-10;  
Matches 159; Conservative 0; Mismatches 110; Indels 12; Gaps 1;

Qy 271 TCCATGAGTGGCTGTATGAGGCGCTGAGGAGGAGAAAGCAAGAACTGCTGTGTTA 330  
Db 340 TCTGAAGAGTGGTACTTTAAAGCATGAGCCGGAAGAGCTGAAAGCAGCTGCTATCT 399  
Qy 331 CCTGGGAACCTCGAGAGGCGCTTCCTCATCCGGAGAGCCAGACCGAGAGGCTCTTAC 390  
Db 400 CCGTTAATAAAGTGGGCTTTCATGATCCGAGACGTAGACATGAAGGTTGTTTC 459  
Qy 391 TCTGTGACGTCCGCTCAGCCGCTGCATCTGGGACCGGATGACACTACAGATC 450  
Db 460 TCCCTCTGTGCG-----AGACTCAGGGGACACTGTGAAACATTACAAATTT 507  
Qy 451 CACTGCTTGAACAATGCTGCTGATCATCTCAGCGGCTTCACTCCCTCAGCTCAG 510  
Db 508 CGACACTCGATGATGAGGTTTCTTCAITTTCTACAGGATCCCTTTCTTTGCCA 567  
Qy 511 GCCCTGTGACCACTTACTCTGAGCTGGCGGATGACATCTG 551  
Db 568 GAGCTGTAGCGCATTTATCAAGTAAAGTGAATGAGCTTGTG 608

RESULT 9  
US-09-228-603A-1  
Sequence 1, Application US/09228603A  
Patent No. 6291651

GENERAL INFORMATION:  
APPLICANT: Hemmati-Briyanlou, Ali  
TITLE OF INVENTION: A NOVEL SRC-FAMILY KINASE AND METHODS OF  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Klauber & Jackson  
STREET: 411 Hackensack Avenue, 4th Floor  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/228,603A  
FILING DATE: 12-JAN-1999  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-217 N  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1684  
TELEX: 133521  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1491 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..1491  
US-09-228-603A-1

Query Match 9.1%; Score 71; DB 4; Length 1491;  
Best Local Similarity 56.6%; Pred. No. 1.4e-10;  
Matches 159; Conservative 0; Mismatches 110; Indels 12; Gaps 1;

Qy 271 TCCATGAGTGGCTGTATGAGGCGCTGAGGAGGAGAAAGCAAGAACTGCTGTGTTA 330  
Db 340 TCTGAAGAGTGGTACTTTAAAGCATGAGCCGGAAGAGCTGAAAGCAGCTGCTATCT 399  
Qy 331 CCTGGGAACCTCGAGAGGCGCTTCCTCATCCGGAGAGCCAGACCGAGAGGCTCTTAC 390  
Db 400 CCGTTAATAAAGTGGGCTTTCATGATCCGAGACGTAGACATGAAGGTTGTTTC 459  
Qy 391 TCTGTGACGTCCGCTCAGCCGCTGCATCTGGGACCGGATGACACTACAGATC 450  
Db 460 TCCCTCTGTGCG-----AGACTCAGGGGACACTGTGAAACATTACAAATTT 507  
Qy 451 CACTGCTTGAACAATGCTGCTGATCATCTCAGCGGCTTCACTCCCTCAGCTCAG 510  
Db 508 CGACACTCGATGATGAGGTTTCTTCAITTTCTACAGGATCCCTTTCTTTGCCA 567  
Qy 511 GCCCTGTGACCACTTACTCTGAGCTGGCGGATGACATCTG 551  
Db 568 GAGCTGTAGCGCATTTATCAAGTAAAGTGAATGAGCTTGTG 608

RESULT 10  
US-09-006-675-5  
Sequence 5, Application US/09006675  
Patent No. 5952213

GENERAL INFORMATION:  
APPLICANT: Hemmati-Briyanlou, Ali  
TITLE OF INVENTION: A NOVEL SRC-FAMILY KINASE AND METHODS OF  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Klauber & Jackson  
STREET: 411 Hackensack Avenue, 4th Floor  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

```

1. RESULT 11
2. US-09-228-603A-5
3. Sequence 5. Application US/09228603A
4. Patent No. 6251651
5. GENERAL INFORMATION:
6. APPLICANT: Hemmati, Brianlou, Ali
7. APPLICANT: Weinstein, Daniel C.
8. TITLE OF INVENTION: A NOVEL SRC-FAMILY KINASE AND METHODS OF
9. TITLE OF INVENTION: USE THEREOF
10. NUMBER OF SEQUENCES: 12
11. CORRESPONDENCE ADDRESS:
12. ADDRESSEE: Klauder & Jackson
13. STREET: 411 Hackensack Avenue, 4th Floor
14. CITY: Hackensack
15. STATE: New Jersey
16. COUNTRY: USA
17. ZIP: 07601
18. COMPUTER READABLE FORM:
19. MEDIUM TYPE: Floppy disk
20. COMPUTER: IBM PC compatible
21. OPERATING SYSTEM: PC-DOS/MS-DOS

```

RESULT 12  
 PCT-US93-06251-83  
 : Sequence 83, Application PC/TUS9306251  
 :  
 : GENERAL INFORMATION:  
 :  
 : APPLICANT: Wickstrom, Eric and Rife, Jason P.  
 :  
 : TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing  
 : Stereospecific Alkylphosphonates and Alkylphosphates  
 :  
 : NUMBER OF SEQUENCES: 93  
 :  
 : CORRESPONDENCE ADDRESS:  
 :  
 : ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER  
 :  
 : STREET: 400 Garden City Plaza  
 :  
 : CITY: Garden City  
 :  
 : STATE: NY  
 :  
 : COUNTRY: USA  
 :  
 : ZIP: 11530  
 :  
 : COMPUTER READABLE FORM:  
 :  
 : MEDIUM TYPE: Floppy disk  
 :  
 : COMPUTER: IBM PC compatible  
 :  
 : OPERATING SYSTEM: PC-DOS/MS-DOS  
 :  
 : SOFTWARE: PatentIn Release #1.0, Version #1.25  
 :  
 : CURRENT APPLICATION DATA:  
 :  
 : APPLICATION NUMBER: PCT/US93/06251

```

? FILLING DATE: 19930630
? CLASSIFICATION:
? ATTORNEY/AGENT INFORMATION:
? NAME: DiGirollo, Frank S.
? REGISTRATION NUMBER: 31,346
? REFERENCE/DOCKET NUMBER: 8586
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 516-742-4343
? TELEFAX: 516-742-3366
? TELEX: 230 901 SANS UR
? INFORMATION FOR SEQ ID NO: 83:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 4517 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
? CTT-U593-06251-83

```

Query Match	7.78;	Score 60.4;	DB 5;	Length 4517;
Best Local Similarity	51.1%;	Pred. NO. 1.9e-07;		
Matches 142;	Conservative	0;	Mismatches 136;	Indels 0;
				Gaps 0;

Qy	275	ATGGGTGGCTGTATGAGGGCCCTGACAGGGAGAAACAGAGAACTCTGTGTAACTCG	3.34
Db	674	AAGATGTGATATTTGGCAAAATGGGAGAAAATATCTGTAAGAATTTCTTTTGAAATCTCG	7.33
Qy	335	GGAACTCTGAGAGGGCCCTTCATCCGGAGAGCAGACCGAGAGAGCTCTA	3.94
Db	734	GAAATCAACAGAGATATTTCTTAGTAGAGAGAGTGAAACAATTAAGGTGCTATATCC	7.93
Qy	395	TGTCAAGTCCGCTCACGCCCTGATCTTGGAACCGGATCAGCACTACAGATCCACT	4.51
Db	794	TTTCTATTCTGTATGGATGAGATGAGATTAAGGGGTACATGTGAACCTTACAAAATTAGA	8.55
Qy	455	GCTTTGACAAATGCTGCTGTACATTTACCGCGCTCACTTCCCTCACTCCAGGCC	5.14
Db	854	AACCTTGACAAATGGGATATCTATATACCAACAGACCAATTTGATATCTTGCAAAAT	9.13
Qy	515	TGTTGACCAATTACTGTAGCTGGCGGATGACATCTGC	5.52
Db	914	TGTTGAAACACTACAGAAACATGTGTATGTTTATGC	9.51

RESULT 13  
US-09-099-053-1  
; Sequence 1, Application US/0909053

APPLICANT: Greg Ploman  
APPLICANT: Susan Ormst  
APPLICANT: David Markby  
APPLICANT: Sara Courtneidge  
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF  
TITLE OF INVENTION: SMD RELATED DISORDERS  
NUMBER OF SEQUENCES: 28  
CORRESPONDENCE ADDRESS:

ADDRESSSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
SREET: Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 MB  
MEDIUM TYPE: Storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: Pasteo for Windows 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/099,053  
FILING DATE: Herewith

```

? CLASSIFICATION :
? PRIOR APPLICATION DATA :
? APPLICATION NUMBER : 60/049,914
? FILING DATE : June 18, 1997
? ATTORNEY/AGENT INFORMATION :
? NAME : Warburg, Richard J.
? REGISTRATION NUMBER : 32,337
? REFERENCE/DOCKET NUMBER : 235/122
? TELECOMMUNICATION INFORMATION :
? TELEPHONE : (213) 489-1600
? TELEFAX : (213) 955-0440
? TELEX : 67-3510
? INFORMATION FOR SEQ. ID NO.: 1:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1948 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear

```

Query Match	7.1%;	Score 55.8;	DB 4;	Length 1548;
Best Local Similarity	51.7%;	Pred. No. 2.5e-06;		
Matches 163; Conservative	0;	Mismatches 137;	Indels 15;	Gaps 1;

Qy	273	CCCTGGAGGCTGATGAGAGGCTGAGCAGAGGAGAAACAGAGAACTCTGTTTAC	3.2
Db	399	CCAACTCCGTACTTTAGGGGGGTCTATCGGAGCCAGAGCAGAGCTCTCTCCCC	4.58
Qy	333	TGGAGACTTGAGAGGGGCTTCTCATTCGGGAGAGCCAGACAGAGAGGCTTTTACTC	3.92
Db	459	ACCCAAACAAACAGGGGGCTTCTCTCATCCGGCCAGACAGAGCAGCCTCGGGGGTACTTC	5.18
Qy	393	TCCTGTCAGTCCGAGCTCAGCCGCTCGATCTTGAGGACCGGATCGACACTTACGGATCCA	4.52
Db	519	ACTGTCAATCCGGG-----CCAGGCGAAAGTCTTGCACTACCGGGTCTC	5.53
Qy	453	CTGCTTGACAAATGCTGCTGTATCATCTACCCGGGCTTACCTTCCCTCACTCCAGGC	5.12
Db	564	CATGGCACTGATGAGCAGCTCTTACCTGCAAGAGGAGCGCTCTTTTCCGGGCTTGAGAGA	6.23
Qy	513	CCCTGTGAGACATTTACTCTGAGCTGAGCGGATGACATCTTGCTGCTTACTCAAGAGCCCTG	5.72
Db	624	GGCTGCTACCTACTCAAGAGCAACTGGAGGTGATCAGAAACCCCTGCTCAGACCTTG	6.83
Qy	573	TGTCCTGAGAGGGC	5.87
Db	684	CATGCCCCAGAGGC	6.98

RESULT 14  
PCT-US93-06251-13  
; Sequence 13, Application PC/TUS9306251

Sequence 13, Application: PC/TUS9306251  
 GENERAL INFORMATION:  
 APPLICANT: Wickstrom, Eric and Rife, Jason P.  
 TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing  
 Title of Invention: Serospecific Alkylphosphonates and Arylphosphonates  
 NUMBER OF SEQUENCES: 93  
 CORRESPONDENCE ADDRESS:

ADDRESS: SCULL, SCOTT, MORPHY & PRESSER  
 STREET: 400 Garden City Plaza  
 City: Garden City  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 11530  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US93/06251  
 FILING DATE: 19930630  
 CLASSIFICATION:



```

1 ATTORNEY/AGENT INFORMATION:
2   NAME: DiGilio, Frank S.
3   REGISTRATION NUMBER: 31,343
4   REFERENCE/DOCKET NUMBER: 8
5   TELECOMMUNICATION INFORMATION:
6   TELEPHONE: 516-742-4343
7   TELEFAX: 516-742-4366
8   TELEX: 230 901 SANS UR
9   INFORMATION FOR SEQ ID NO: 13
10  SEQUENCE CHARACTERISTICS:
11    LENGTH: 144 base pairs
12    TYPE: nucleic acid
13    STRANDEDNESS: double
14    TOPOLOGY: linear
15  MOLECULE TYPE: DNA (genomic)
16  CCT-USB3-06231-13

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Query Match	6.1%	Score 48;	DB 5;	Length 144;
Best Local Similarity	64.3%;	Pred. No. 0.00016;		
Matches	72;	Conservative	40;	Indels 0;
			Gaps	0.

QY 272 CCAATGGGCGCTATGAGGGCGTCGACAGGAGAAACAGAGAACTCTGTATAC 331  
Db 14 CCACAGCTGTACTTTGGAAAATTGGAAAAAGATCCAGAGGAGACTCTTTCAC 73  
QY 332 CTGGGAACCTTGAGAGGGGCTTCTCATCTGGGAGAGCCAGACAGAGAGAG 383  
Db 74 CAGGCAACCCCTCAGGGGGCTTTCTCATCTGGGAGAACAGACCACTCMAAG 125

RESULT 15  
PCT-US93-06251-14  
; Sequence 14, Application PC/TUS9306251

1 APPLICANT: Wickstrom, Eric and Rife, Jason P.  
2 TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing  
3 Nucleosides with 5' and 3' Phosphonates and Arylphosphonates  
4 NUMBER OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates  
5 NUMBER OF SEQUENCES: 93  
6 CORRESPONDENCE ADDRESS:  
7 ADDRESSER: SCULLY, SCOTT, MURPHY & PRESSER  
8 STREET: 400 Garden City Plaza  
9 CITY: Garden City  
10 STATE: NY  
11 COUNTRY: USA  
12 ZIP: 11530  
13 COMPUTER READABLE FORM:  
14 MEDIUM TYPE: Floppy disk  
15 COMPUTER: IBM PC compatible  
16 OPERATING SYSTEM: PC-DOS/MS-DOS  
17 SOFTWARE: PatentIn Release #1.0, Version #1.25  
18 CURRENT APPLICATION DATA:  
19 APPLICATION NUMBER: PCI/US93/06251  
20 FILING DATE: 19930630

```

1  ATTORNEY/AGENT INFORMATION:
2  NAME: Digilio, Frank S.
3  REGISTRATION NUMBER: 31,346
4  REFERENCE/DOCKET NUMBER: 8586
5  TELECOMMUNICATION INFORMATION:
6  TELEPHONE: 516-742-4343
7  TELEFAX: 516-742-3366
8  TEXT: 230 901 SANS UR
9  INFORMATION FOR SEQ ID NO: 14:
10 SEQUENCE CHARACTERISTICS:
11 LENGTH: 190 base pairs
12 TYPE: nucleic acid
13 STRANDEDNESS: double
14 TOPOLOGY: linear
15 MOLECULE TYPE: DNA (genomic)
16 PCT-US93-06251-14

```

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Query Match      5.9%;  Score 46;  DB 5;  Length 190;
Best Local Similarity 56.7%;  Pred. No. 0.00063;
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Matches	85;	Conservative	0;	Mismatches	65;	Indels	0;	Gaps
Qy	379	AGAGGCTCTTACTCTCTGTCTGACGTGCGGCTCAGCGCCCTGCATCTCTGGACCGGATCAGA	438					
Db	17	ACAGGTGCTACTCCCTGTCCATCCGGACCTGGGANTAGACGAGGGGATCTGTGGAAG	76					
Qy	439	CACCTACAGATCCACATGCGCTTGACAAATGAGCTGGGGTATCATCTCAACGCGCTCACTTTC	498					
Db	77	CATTTCAGAGATCCGCAAACTGACATAGGCGGTTACTATCATCCACACGGGTTTCAGTTT	136					
Qy	499	CCCTCACTCCAGGCGCTGTGTGAACATTAAC	528					
Db	137	AACTCGTGGAGGAGGTGTGTCAACACTAC	166					

Search completed: March 30, 2003, 06:27:14  
Job time : 42.8301 secs

